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October 20, 2003

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: SUBSTRATE CLEANING APPARATUS AND METHOD
Docket No. 988-29-004

Sir:

Transmitted herewith for filing under 35 U.S.C. 111 and 37 CFR 1.53 is the patent application of Dean H. Lodwig, Caleb J. Bryant, Lionel C. Chavarria and Daniel E. Perry entitled SUBSTRATE CLEANING APPARATUS AND METHOD.

Enclosed are:

25 pages of written description, claims and abstract.
4 sheets of drawings
Declaration and Power of Attorney.
Assignment and Recordation Cover Sheet
Information Disclosure Statement and PTO Form 1449

The filing and recording fees have been calculated as shown below:

Basic Fee				\$770.00
Total Claims	(54 - 20)	x	\$18.00	= 612.00
Independent Claims	(9 - 3)	x	\$86.00	= 516.00
Assignment				<u>40.00</u>
Total Fee:				\$1,938.00

Our Check No. 20795 for **\$1,938.00** to cover the filing and recording fees is enclosed. We authorize the Commissioner to charge (1) payment of any additional filing fees required under 37 CFR §1.16, (2) payment of any patent application processing fees under 37 CFR §1.17 associated with this communication, or (3) payment of any fees that occur during the pendency of this application (and to credit any overpayment) to Deposit Account No. 11-1580. We enclose a duplicate copy of this sheet.

Very truly yours,
KOPPEL, JACOBS, PATRICK & HEYBL


Louis A. Mok

Registration No.

LAM/mm

Enclosures

M/L1-988-29-004Transmittal ltr.doc